

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/930,864
Source: IFWO
Date Processed by STIC: 10/27/2005

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 09/930,864

CRF Edit Date: 10/27/2005

Edited by: DA

___ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

___ **Corrected the SEQ ID NO. Sequence numbers edited were:**

___ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

/ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ **Inserted mandatory headings/numeric identifiers, specifically:**

___ **Moved responses to same line as heading/numeric identifier, specifically:**

___ **Other:**

Revised 09/09/2003



IFWO

RAW SEQUENCE LISTING

DATE: 10/27/2005

PATENT APPLICATION: US/09/930,864

TIME: 12:25:52

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\10272005\I930864.raw

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3 <110> APPLICANT: LEDERMAN, et al., Seth
5 <120> TITLE OF INVENTION: ISOLATED FRAGMENTS OF p62 NUCLEOPORIN AND USES THEREOF
7 <130> FILE REFERENCE: C35795/126287
9 <140> CURRENT APPLICATION NUMBER: 09/930,864
10 <141> CURRENT FILING DATE: 2001-08-16
12 <160> NUMBER OF SEQ ID NOS: 2
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 393
18 <212> TYPE: PRT
19 <213> ORGANISM: Saccharomyces cerevisiae
21 <400> SEQUENCE: 1
23 Met Ser Gly Phe Asn Phe Gly Gly Thr Gly Ala Pro Thr Gly Gly Phe
24 1 5 10 15
27 Thr Phe Gly Thr Ala Lys Thr Ala Thr Thr Thr Pro Ala Thr Gly Phe
28 20 25 30
31 Ser Phe Ser Thr Ser Gly Thr Gly Gly Phe Asn Phe Gly Ala Pro Phe
32 35 40 45
35 Gln Pro Ala Thr Ser Thr Pro Ser Thr Gly Leu Phe Ser Leu Ala Thr
36 50 55 60
39 Gln Thr Pro Ala Thr Gln Thr Thr Gly Phe Thr Phe Gly Thr Ala Thr
40 65 70 75 80
43 Leu Ala Ser Gly Gly Thr Gly Phe Ser Leu Gly Ile Gly Ala Ser Lys
44 85 90 95
47 Leu Asn Leu Ser Asn Thr Ala Ala Thr Pro Ala Met Ala Asn Pro Ser
48 100 105 110
51 Gly Phe Gly Leu Gly Ser Ser Asn Leu Thr Asn Ala Ile Ser Ser Thr
52 115 120 125
55 Val Thr Ser Ser Gln Gly Thr Ala Pro Thr Gly Phe Val Phe Gly Pro
56 130 135 140
59 Ser Thr Thr Ser Val Ala Pro Ala Thr Thr Ser Gly Gly Phe Ser Phe
60 145 150 155 160
63 Thr Gly Gly Ser Thr Ala Gln Pro Ser Gly Phe Asn Ile Gly Ser Ala
64 165 170 175
67 Gly Asn Ser Ala Gln Pro Thr Ala Pro Ala Thr Leu Pro Phe Thr Pro
68 180 185 190
71 Ala Thr Pro Ala Ala Thr Thr Ala Gly Ala Thr Gln Pro Ala Ala Pro
72 195 200 205
75 Thr Pro Thr Ala Thr Ile Thr Ser Thr Gly Pro Ser Leu Phe Ala Ser
76 210 215 220
79 Ile Ala Thr Ala Pro Thr Ser Ser Ala Thr Thr Gly Leu Ser Leu Cys
80 225 230 235 240
83 Thr Pro Val Thr Thr Ala Gly Ala Pro Thr Ala Gly Thr Gln Gly Phe

```

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84          245          250          255
87 Ser Leu Lys Ala Pro Gly Ala Ala Ser Gly Thr Ser Thr Thr Thr Ser
88          260          265          270
91 Thr Ala Ala Thr Ala Thr Ala Thr Thr Thr Thr Ser Ser Ser Thr Thr
92          275          280          285
95 Gly Phe Ala Leu Asn Leu Lys Pro Leu Ala Pro Ala Gly Ile Pro Ser
96          290          295          300
99 Asn Thr Ala Ala Ala Val Thr Ala Pro Pro Gly Pro Gly Ala Ala Ala
100 305          310          315          320
103 Gly Ala Ala Ala Ser Ser Ala Met Thr Tyr Ala Gln Leu Glu Ser Leu
104          325          330          335
107 Ile Asn Lys Trp Ser Leu Glu Leu Glu Asp Gln Glu Arg His Phe Leu
108          340          345          350
112 Gln Gln Ala Thr Gln Val Asn Ala Trp Asp Arg Thr Leu Ile Glu Asn
113          355          360          365
116 Gly Glu Lys Ile Thr Ser Leu His Arg Glu Val Glu Lys Val Lys Leu
117          370          375          380
120 Asp Gln Lys Arg Leu Asp Gln Glu Leu
121 385          390
127 <210> SEQ ID NO: 2
128 <211> LENGTH: 187
129 <212> TYPE: PRT
130 <213> ORGANISM: Saccharomyces cerevisiae
132 <400> SEQUENCE: 2
134 Leu Ile Asn Lys Trp Ser Leu Glu Leu Glu Asp Gln Glu Arg His Phe
135 1          5          10          15
138 Leu Gln Gln Ala Thr Gln Val Asn Ala Trp Asp Arg Thr Leu Ile Glu
139          20          25          30
142 Asn Gly Glu Lys Ile Thr Ser Leu His Arg Glu Val Glu Lys Val Lys
143          35          40          45
146 Leu Asp Gln Lys Arg Leu Asp Gln Glu Leu Asp Phe Ile Leu Ser Gln
147          50          55          60
150 Gln Lys Glu Leu Glu Asp Leu Leu Ser Pro Leu Glu Glu Leu Val Lys
151 65          70          75          80
154 Glu Gln Arg Ala Thr Ile Tyr Leu Gln His Ala Asp Glu Glu Arg Gln
155          85          90          95
158 Lys Thr Tyr Lys Leu Ala Glu Asn Ile Asp Ala Gln Leu Lys Arg Met
159          100         105         110
162 Ala Gln Asp Leu Lys Asp Ile Ile Glu His Leu Asn Thr Ser Gly Ala
163          115         120         125
166 Pro Ala Asp Thr Ser Asp Pro Leu Gln Gln Ile Cys Lys Ile Leu Asn
167          130         135         140
170 Ala His Met Asp Ser Leu Gln Trp Ile Asp Gln Asn Ser Ala Leu Leu
171 145         150         155         160
174 Gln Arg Lys Val Glu Val Thr Lys Val Cys Val Gly Arg Arg Lys
175          165         170         175
178 Glu Gln Glu Arg Ser Phe Arg Ile Thr Phe Asp
179          180         185

```

VERIFICATION SUMMARY

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Raw Sequence Listing before editing,
for reference only



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/930,864

DATE: 10/26/2005

TIME: 11:50:09

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\10262005\I930864.raw

3 <110> APPLICANT: LEDERMAN, et al., Seth
 5 <120> TITLE OF INVENTION: ISOLATED FRAGMENTS OF p62 NUCLEOPORIN AND USES THEREOF
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 12 <160> NUMBER OF SEQ ID NOS: 2
 14 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
 Corrected Diskette Needed
 CP9-1)

ERRORED SEQUENCES

127 <210> SEQ ID NO: 2
 128 <211> LENGTH: 187
 129 <212> TYPE: PRT
 130 <213> ORGANISM: Saccharomyces cerevisiae
 132 <400> SEQUENCE: 2
 134 Leu Ile Asn Lys Trp Ser Leu Glu Leu Glu Asp Gln Glu Arg His Phe
 135 1 5 10 15
 138 Leu Gln Gln Ala Thr Gln Val Asn Ala Trp Asp Arg Thr Leu Ile Glu
 139 20 25 30
 142 Asn Gly Glu Lys Ile Thr Ser Leu His Arg Glu Val Glu Lys Val Lys
 143 35 40 45
 146 Leu Asp Gln Lys Arg Leu Asp Gln Glu Leu Asp Phe Ile Leu Ser Gln
 147 50 55 60
 150 Gln Lys Glu Leu Glu Asp Leu Leu Ser Pro Leu Glu Glu Leu Val Lys
 151 65 70 75 80
 154 Glu Gln Arg Ala Thr Ile Tyr Leu Gln His Ala Asp Glu Glu Arg Gln
 155 85 90 95
 158 Lys Thr Tyr Lys Leu Ala Glu Asn Ile Asp Ala Gln Leu Lys Arg Met
 159 100 105 110
 162 Ala Gln Asp Leu Lys Asp Ile Ile Glu His Leu Asn Thr Ser Gly Ala
 163 115 120 125
 166 Pro Ala Asp Thr Ser Asp Pro Leu Gln Gln Ile Cys Lys Ile Leu Asn
 167 130 135 140
 170 Ala His Met Asp Ser Leu Gln Trp Ile Asp Gln Asn Ser Ala Leu Leu
 171 145 150 155 160
 174 Gln Arg Lys Val Glu Glu Val Thr Lys Val Cys Val Gly Arg Arg Lys
 175 165 170 175
 178 Glu Gln Glu Arg Ser Phe Arg Ile Thr Phe Asp
 179 180 185

E--> 181

Q deleted

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/930,864

DATE: 10/26/2005

TIME: 11:50:10

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\10262005\I930864.raw

L:181 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2